



April 22, 2002

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URGENT

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Confirmation copy will not follow.

Re: U.S. Patent Application No.: 09/452,749
Filed: December 1, 1999
Title: PERMANENT READOUT SUPERCONDUCTING
QUBIT

Message

Dear Mr. Wille,

In preparation for the July 16, 11AM conference call, we attach a draft copy of a Response to the May 10, 2002 office action.

Sincerely,

A handwritten signature of Brett Lovejoy in cursive script.
Brett Lovejoy

If you have any problems regarding this transmission, please contact Brett Lovejoy at (650) 849-7705.

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** TOTAL PAGE . 01 **

**DRAFT AMENDMENT
FOR DISCUSSION PURPOSES ONLY**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:)	Art Unit: 2814
Zagoskin)	
)	Examiner:
)	Douglas A. Wille
Serial No. 09/452,749)	
Filed: December 1, 1999)	Attorney Docket:
)	11090-003-999
)	
For: Permanent Readout Superconducting Qubit)	<i>DRAFT</i>
)	

AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

The enclosed Amendment is in response to the Office Action dated May 10, 2002 for the above-identified patent application.

IN THE CLAIMS:

Marked up versions of all revised claims, showing insertions and deletions, are included in Appendix A. A clean version of the pending claims is included in Appendix B.

Rewrite claims 52-55 as follows:

52. (Amended) The structure of claim 1, wherein a qubit is formed by the first bank, the mesoscopic island and the clean Josephson junction, and wherein each quantum state on the qubit is characterized by a clockwise or a counterclockwise supercurrent that circulates in a plane in the vicinity of the clean Josephson junction.